

PATENT COOPERATION TREATY

PCT

**INTERNATIONAL PRELIMINARY
REPORT ON PATENTABILITY**
(Chapter II of the Patent Cooperation Treaty)
(PCT Article 36 and Rule 70)

05.10.19

Applicant's or agent's file reference R-70	FOR FURTHER ACTION		See Form PCT/IPEA/416
International application No. PCT/JP2004/011631	International filing date (<i>day/month/year</i>) 06.08.2004	Priority date (<i>day/month/year</i>) 08.08.2003	
International Patent Classification (IPC) or national classification and IPC Int.Cl. ⁷ F17C1/02, B23K20/12, H01M8/00, 8/04			
Applicant HONDA MOTOR CO., LTD.			

1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.	
2. This REPORT consists of a total of <u>4</u> sheets, including this cover sheet.	
3. This report is also accompanied by ANNEXES, comprising:	
a. <input type="checkbox"/> a total of _____ sheets, as follows:	
<input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).	
<input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.	
b. <input type="checkbox"/> a total of (indicate type and number of electronic carrier(s)) _____ containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).	
4. This report contains indications relating to the following items:	
<input checked="" type="checkbox"/> Box No. I Basis of the report	
<input type="checkbox"/> Box No. II Priority	
<input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	
<input type="checkbox"/> Box No. IV Lack of unity of invention	
<input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	
<input type="checkbox"/> Box No. VI Certain documents cited	
<input checked="" type="checkbox"/> Box No. VII Certain defects in the international application	
<input type="checkbox"/> Box No. VIII Certain observations on the international application	

Date of submission of the demand 02.03.2005	Date of completion of this report 03.10.2005	
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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/011631

Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

This report is based on translations from the original language into the following language _____, which is the language of a translation furnished for the purposes of:

- international search (under Rules 12.3 and 23.1(b))
- publication of the international application (under Rule 12.4)
- international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the elements of the international application, this report is based on (*replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report*):

the international application as originally filed/furnished

the description:

pages _____ as originally filed/furnished

pages* _____ received by this Authority on _____

pages* _____ received by this Authority on _____

the claims:

pages _____ as originally filed/furnished

pages* _____ as amended (together with any statement) under Article 19

pages* _____ received by this Authority on _____

pages* _____ received by this Authority on _____

the drawings:

pages _____ as originally filed/furnished

pages* _____ received by this Authority on _____

pages* _____ received by this Authority on _____

a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.

3. The amendments have resulted in the cancellation of:

the description, pages _____

the claims, Nos. _____

the drawings, sheets/figs _____

the sequence listing (specify): _____

any table(s) related to sequence listing (specify): _____

4. This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

the description, pages _____

the claims, Nos. _____

the drawings, sheets/figs _____

the sequence listing (specify): _____

any table(s) related to sequence listing (specify): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**1. Statement**

Novelty (N)	Claims <u>1 - 2 0</u>	YES
	Claims _____	NO
Inventive step (IS)	Claims <u>4 - 1 2</u>	YES
	Claims <u>1 - 3 , 1 3 - 2 0</u>	NO
Industrial applicability (IA)	Claims <u>1 - 2 0</u>	YES
	Claims _____	NO

2. Citations and explanations(Rule 70.7)

Cited documents in the international search report:

D1. JP 9-042595 A (TOYODA GOSEI CO., LTD.) 1997.02.14

D2. JP 7-506414 A (TEKNIK-KUSTEN KB) 1995.07.13

Claim 1-3,13:

The subject matters of claim 1-3 do not involve an inventive step over document 1 and 2 for the following reasons.

Although D1 does not disclose the technical feature of each of the liner components being fixedly provided inside thereof with a reinforcing wall, the liner components corresponding to each other in the position of the reinforcing wall, the reinforcing walls of adjacent pair of liner components being joined to each other, both the present invention and that of D2 share the same problem, that is, having an increased pressure resistant strength against longitudinal force, and employ the same technical feature. Therefore, employing the feature disclosed in D2 in order to constitute the present invention would have been easily conceived by the person skilled in the art.

Claim 14-20:

The subject matters of claim 14-20 do not involve an inventive step over document 1 and 2 for the following reasons.

The skilled person in the art would easily conceive the idea of using a pressure vessel for general uses.

Claim 4-12:

The subject matters of claim 4-12 are neither disclosed in any of the documents cited in the ISR nor obvious to a person skilled in the art.

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Box No. VII Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

It is not clear what "Friction agitation" is.